

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	13	("4787691"   "4997246"   "5237639"   "5838870").PN. OR ("6580863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/31 17:24
S3	537	((optic\$5) with (fiber\$4) with (waveguid \$6 or planar)) same taper\$6 same mod \$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/31 17:26
S4	13	("4787691"   "4997246"   "5237639"   "5838870").PN. OR ("6580863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/01 17:15
S5	932	(waveguide) same (core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/01 17:17
S6	48856	"385".clas.	US-PGPUB; USPAT	OR	ON	2008/12/01 17:17
S7	12537	(core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S8	401	(core with taper\$5 with (horizontal\$4 vertical\$4))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S9	1636	S6 and S7	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S10	93	S6 and S8	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S11	62	(core with taper\$5 with (horizontal\$4 with vertical\$4))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S12	77	S10 not S11	US-PGPUB; USPAT	OR	ON	2008/12/01 17:25
S13	767	(waveguide) with (core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S14	48892	"385".clas.	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S15	605	S13 and S14	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S16	852	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with taper\$4	US-PGPUB; USPAT	OR	ON	2008/12/02 10:54
S17	1206	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:56
S18	77	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:56
S19	119	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57

S20	126	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step\$5)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57
S21	493	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57
S22	376	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) near5 (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:58
S23	3	("5930423" "6760520" "20030081924"). .pn.	US-PGPUB; USPAT	OR	ON	2008/12/02 10:59
S24	255	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (taper\$4 narrow\$4) near5 core near5 (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 11:01
S25	1183	385/43.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 11:06
S26	2	10/498182	US-PGPUB; USPAT	OR	ON	2009/02/04 11:20
S27	1	10/583523	US-PGPUB; USPAT	OR	ON	2009/02/04 13:32
S28	1	"7197224".pn.	US-PGPUB; USPAT	OR	ON	2009/09/04 11:14
S29	1	10/583523	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/27 12:01
S30	146	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with taper\$3) with (convert\$4 transform\$4) with (mode) and @ad-<"20070724"	US-PGPUB; USPAT	OR	ON	2010/05/27 12:10
S31	456	385/28,31,39,43,49,50,129-132.ccls. and ((progress\$5 step increment\$4) with taper\$3) and @ad-<"20070724" not (385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with taper\$3) with (convert\$4 transform\$4) with (mode) and @ad-<"20070724")	US-PGPUB; USPAT	OR	ON	2010/05/27 14:05

6/ 5/ 2010 12:26:03 PM

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waveguide for improving light coupling efficiency.wsp